

Title (en)
A METHOD AND DEVICE FOR TRANSMITTING DATA

Title (de)
VERFAHREN UND VORRICHTUNG ZUR DATENÜBERTRAGUNG

Title (fr)
PROCÉDÉ ET DISPOSITIF DE TRANSMISSION DE DONNÉES

Publication
EP 2302827 B1 20161109 (EN)

Application
EP 09797404 A 20090717

Priority
• CN 2009072814 W 20090717
• CN 200810141665 A 20080717

Abstract (en)
[origin: EP2302827A1] A data transmission method and a data transmission apparatus are disclosed. The data transmission method includes: receiving a data packet sent by a sender, and recording information about the data packet received; sending the data packet received to a receiver through a protocol layer; looking up recorded information about data packets according to a data packet mapping after the protocol layer receives confirmation information of a data packet sent by the receiver to the sender, wherein the data packet mapping is a relation between a recorded data packet and a data packet received by the protocol layer; and constructing an Acknowledgement, ACK, destined for the sender according to information about the data packet obtained by the steps of looking up recorded information about received data packets.. Through the method provided herein, the apparatus constructs an ACK and sends it to the sender actively, thus improving the data transmission rate.

IPC 8 full level
H04L 1/00 (2006.01); **H04L 47/2466** (2022.01); **H04W 80/06** (2009.01)

CPC (source: EP US)
H04L 1/1607 (2013.01 - EP US); **H04L 1/1854** (2013.01 - EP US); **H04L 47/2466** (2013.01 - EP US); **H04L 69/163** (2013.01 - EP US); **H04L 2001/0097** (2013.01 - EP US); **H04W 80/06** (2013.01 - EP US)

Citation (examination)
• US 2006098616 A1 20060511 - KISH WILLIAM S [US], et al
• JP 2006114973 A 20060427 - NEC INFRONTIA CORP
• "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA) Radio Link Control (RLC) protocol specification (Release 8)", 3GPP STANDARD; 3GPP TS 36.322, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. V8.2.0, 1 May 2008 (2008-05-01), pages 1 - 36, XP050377628

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2302827 A1 20110330; EP 2302827 A4 20111228; EP 2302827 B1 20161109; CA 2738103 A1 20100121; CA 2738103 C 20140401; CN 101335603 A 20081231; CN 101335603 B 20110330; JP 2011528198 A 20111110; JP 2014045499 A 20140313; JP 5484460 B2 20140507; JP 5740449 B2 20150624; RU 2474059 C1 20130127; US 2012033579 A1 20120209; US 2012039249 A1 20120216; US 8630203 B2 20140114; WO 2010006557 A1 20100121

DOCDB simple family (application)
EP 09797404 A 20090717; CA 2738103 A 20090717; CN 200810141665 A 20080717; CN 2009072814 W 20090717; JP 2011517740 A 20090717; JP 2013217537 A 20131018; RU 2011134389 A 20090717; US 200913125234 A 20090717; US 201113279040 A 20111021